

**Measures, Indicators, and Improvement of Quality of Life in Nursing Homes:
Final Report: Volume 1**

**Submitted to Centers for Medicare & Medicaid Services
by Division for Health Services Research and Policy,
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This report is a product of the project: *Measures, Indicators, and Improvement of Quality of Life in Nursing Homes* (RFP: HCFA-98-002/PK), which was conducted from May 1, 1998 to July 31, 2003 under Master Contract # 500-96-0008 between the Centers for Medicare & Medicaid Services (CMS) and the University of Minnesota. Robert L. Kane is the director of the Master Contract, and Rosalie A. Kane, the project director. The views in the report are those of the researchers and not necessarily those of CMS or the project officers. M. Powell Lawton, PhD, Philadelphia Geriatric Center contributed to greatly to this work and was a co-author of early interim reports before his death in 2001. An draft version was submitted to CMS in march 2004, and this revision responds to CMS comments. For more information, contact Rosalie A. Kane at the Division of Health Services Research & Policy, School of Public Health, University of Minnesota, 420 Delaware St., SE, MMC 197, D-527 Mayo Building, Minneapolis, MN 55455, phone 612-624-5171, fax 612-634-5434, and email, kanex002@umn.edu.

Preface

In 1998, the Centers for Medicare & Medicaid Services (CMS), then the Health Care Financing Administration) contracted with the University of Minnesota to perform work in a project called: *Measures, Indicators, and Improvement of Quality of Life in Nursing Homes*. The project's major objectives were twofold: 1) develop and test measures and indicators of quality of life in nursing homes; and 2) study how the physical environments in nursing homes affect that quality of life.

Each major objective entailed many specific tasks and analyses, and two waves of large-scale data collection were conducted to develop and test the quality of life measures themselves. The purpose of this report is to gather in a single report a description of all the methods and results from this multifaceted 5-year study.

The authors are indebted to the project officer, Mary Pratt, for her unfailing helpfulness during this study, as well as to Karen Schoeneman, who served as an additional project officer with special emphasis on the applicability of the work to the nursing home survey and certification process. As always, the conclusions are not necessarily those of CMS or its project officers.

The authors also acknowledge the extraordinary contributions of M. Powell Lawton, PhD Philadelphia Geriatric Center, who worked on this project from its inception. His untimely death in January 2001 prevented most of the results and interpretations presented here to be informed by his involvement.

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- C. Staff Interview about Resident and Staff Contact Form
- D. Family Questionnaire about Resident and Family Contact Form
- E. Resident-Level Protocol for Observation of Resident Affect
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- G. Environmental Checklist: Room and Bath
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- J. Administrative Interview and Archival Information
- K. Nursing Interview
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Wave 2 Materials

- P. Resident Interview, Wave 2
- Q. Observation of Staff and Resident Interactions, Wave 2
- R. Administrative Questionnaire, Wave 2
- S. QOL Scales Scoring Document

Transferability Materials

- T. Resident Interview for the Transferability Study
- U. Observation of Resident and Staff Interactions for the Transferability Study
- V. Training Material for Transferability Observations
- W. Focus Group Guide

Other

X. Published articles from QOL project

Kane, RA. (2003). Definition, Measurement, and Correlates of Quality of Life in Nursing Homes: Towards a Reasonable Practice, Research, and Policy Agenda. *The Gerontologist*, 43 (Special Edition II), 28-36.

Kane, RA., Kling, KC., Bershadsky, B., Kane, RL., Giles, K., Degenholtz, HB., Liu, J. & Cutler, LJ. (2003). Quality of life measures for nursing home residents. *Journal of Gerontology: Medical Sciences*, 58A (3), 240-248.